22587

SECRET

3 July 1978

MEMORANDUM FOR: OSI/[redacted]

ATTENTION : [redacted]

FROM : [redacted]

1. The attached list includes all Soviet plants known to produce pesticides and the types of pesticides produced at each plant. We have very little information on production capacities. The USSR produces many pesticides in addition to those listed but we cannot identify the plants at which they are made. Much of the information was obtained from very old sources and some of these pesticides may no longer be produced.

2. Unless otherwise specified in the remarks column, the pesticide listed was being produced at the time of the date of information.

Attachment:
as stated

[redacted]

(3 Jul 78)

ER M 78-10446

SECRET

[redacted] INPUT CL BY [redacted]

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Support Project Initiation Memorandum (for Non-Scheduled Intelligence Production) | Type B | Control Number ER M 78-10446

TO: Production Control Staff

2. Title or Subject (31)
Line 1 Pesticides Plants in the
Line 2 USSR
Line 3
Line 4
Line 5

3. Analyst(s) & Other Contributors (31)
Line 1
Line 2 [redacted]

Manhours: 30

Completion Date (y m d) 1978 July 3

4. Requester and Purpose (39)
Line 1 OSI/[redacted] -- a contribution to a
Line 2 report for the US Arms Control and
Line 3 Disarmament Agency.
Line 4
Line 5
Line 6

Classification (39)
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5. Precis (39)
Line 1 A listing of pesticide plants in the
Line 2 USSR.
Line 3
Line 4
Line 5
Line 6
Line 7
Line 8

APPROVAL:

Branch (if less than 10 manhours) [redacted] Date 3 July 78

Division (if 10 [redacted] Date

Director (for special requesters) Date

Note: Numbers in parentheses indicate the maximum number of characters and blanks to be inserted in a line—i.e., (16) means no more than 16 spaces.

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PLANT	PRODUCT	DOI	REMARKS
Abovyan Biochemical Factory (40,16N; 44,37E)	Microbiological pesticides (unspecified)	10,1972	Under construction
Alaverdi Copper and Chemical Combine (40,08N; 44,39E)	Copper sulfate	9,1962	
Almalyk Mining and Metallurgical Combine (40,50N; 69,35E)	Copper sulfate	1,1976	
Batumi Chemical Plant (41,38N; 41,38E)	Toxic pesticides for agriculture (unspecified)	11,1972	
Berezniki Chemical Combine (59,24N; 56,14E)	Chloropicrin	6,1964	
	Thiuram	4,1963	Scheduled to begin operation in 1963. Capacity 6,000 tpa.
Chapayevsk Chemical Fertilizer Plant (52,58N; 49,41E)	Dalapon	1,1974	
	Magnesium chlorate	1,1961	
	Polychloropinene (Toxaphene)	11,1964	Secret
Chardzou Superphosphate Plant (39,06N; 63,34E)	Benzene hexachloride	1,1974	New shop will produce 15,000 tpa.
	Simazine	11,1975	Capacities installed in 1971-75
Cheboksary Chemical Combine (59,09N; 47,15E)	Khlorofos (Dipertex)	1,1968	Production started
	Simazine	11,1963	Production planned
Chimkent Chemical and Pharmaceutical Plant (42,18N; 69,36E)	Anabazine sulfate	12,1963	
Chirchik Electrochemical Combine (41,29N, 69,35E)	Magnesium chlorate	11,1964	
Dneprodzerzhinsk Nitrogen Fertilizer Plant (48,30N, 34,37E)	Aldrin	6,1963	Planned
	Dialdrin	6,1963	Planned
	Heptachlor	6,1963	Planned
Dzerzhinsk Chernorechensk Chemical plant "Kalinin" (56,15N; 43,32E,	Benzene hexachloride	8,1959	Capacity of 500 tpa to go into operation in 1960.
		5,1962	First output in 1962.
		1,1978	

PLANT	PRODUCT	DOI	REMARKS
erzhinsk Chernorechensk Chemical Plant "Kalinin" (continued)	Calcium cyanamide	8,1965	
	Chlordane	6,1962	Production planned
	Ethyl mercuric chloride	7,1962	
	Methylene chloride	3,1956	
	Simazine	6,1974	Produced 2,500 tons in 1973.
erzhinsk Kaprolactam Plant (formerly Zavod Stroy) (56,15N; 43,35E)	Benzene hexachloride	1950	
	Methylene chloride	3,1956	
erzhinsk Oka Plant (56,15N; 43,37E)	Ethylmercuric chloride	11,1964	
	Granozan (ceresan)	11,1964	
hambul Superphosphate Plant (42,54N; 71,22E)	Sodium fluorosilicate	11,1964	
rgana Hydrolysis Plant (40,23N; 71,46E)	Endothal	2,1962	Shop for defoliants went into operation
	Free cyanamide	2,1962	
	Magnesium chlorate	2,1962	
yum Chemical Plant (49,12N; 37,19E)	Benzene hexachloride	11,1962	Production planned
lush Chemico-Metallurgical Combine (49,01N; 24,22E)	Tsineb	11,1971	Production started
erovo Aniline Dye Plant (55,20N; 86,05E)	DET mosquito repellent	7,1973	
covakan Chemical Combine (40,48N; 44,30E)	Calcium cyanamide	11,1963	
violi Chemical Combine (59,21N; 26,57E)	Carbolineum	6,1964	
aisi Lithophone Plant (42,15N; 42,40E)	Copper sulfate	11,1963	
scow Chemical Plant "Voykov"	Copper Sulfate	1,1962	
yr (52,03N; 29,16E)	Pesticides (unspecified)	11,1971	Petrochemical Complex will include pesticides

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PLANT	PRODUCT	DOI		REMARKS
...voi Chemical Combine (40,09N; 65,22E)	Calcium cyanamide	9,1965		
	Herbicides (unspecified)	12,1974		Electrochemical combine under construction will produce herbicides.
...vomoskovsk Chemical Combine (54,05N; 38,14E)	Dinoseb	1,1965		Production started.
	Karbofos (malthion)	1,1965		
	Simazine	2,1963		Experimental industrial shop
...lessa Superphosphate Plant (46,28N; 30,44E)	Copper sulfate	5,1962		
...vlodar Chemical Combine (52,18N; 76,57E)	Herbicides (unspecified)	2,1973		First stage completed
...rekop Bromine Plant (46,10N; 33,42E)	Avenin insecticide	8,1967		Shop completed
...rnaysk Chemical Plant (49,23N; 36,13E)	Atrazine	2,1965		Production planned
	Dalapon	2,1965		Production planned
	Kuprozan	5,1972		
	Simazine	2,1965		Production planned
		1,1975	CONF	Insecticide (unspecified) plant completed 1971
...iga Chemical Plant (56,57N; 24,06E)	MG-T herbicide	10,1963		
	Aerofos	8,1967		
...bezhnoye Chemical Plant (49,01N; 38,23E)	Dinitro-o-cresol	12,1963		
	Sodium pentachlorophenate	11,1964		
...ustavi Chemical Plant (41,33N; 45,03E)	Cyanogen salts	11,1966		For use in herbicides
...aki Chemical Plant (45,08N; 33,36E)	Methyl bromide	10,1963		Experimental lots produced
	Trichlorophenol	10,1963		
...alavat Petrochemical Combine (53,21N; 55,55E)	Mercaptan	1,1965		Experimental plant planned
...hchelkovo Chemical Plant (55,55N; 38,00E)	Benzene hexachloride	1,1962		
	Calcium arsenate	6,1961		
	Calcium arsenite	11,1964		
	P-chloro-phenyl benzene sulfonate	11,1964	SECRET	
	DDT	12,1962		

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PLANT	PRODUCT	DOI	REMARKS
	P-dichlorbenzene	11,1964 SECRET	
	Diethyltoluamide	/,1962	
	Fosfamid (ROGER)	12,1962	Experimental production
	Heptachlor	12,1962	
	Karbotion (Vapam)	5,1972	
	Metilnitrofos	11,1963	Production planned
	Methyl ethyl parathion	12,1962	
	Paris Green	6,1961	
	Thiofos (Parathion)	1,1964	
	Trikhlormetafos - 3 (paratnion & methyl parathion)	6,1965	
	Trikhlorthiofos	12,1962	
erlitamak Chemical Combine (53,40N; 55,56E)	Triallate herbicide	2,19/5	Planned for commissioning in 1978
mgait Chemical Combine (40,37N; 49,35E)	Benzene hexachloride	7,1965	
	DDT	1968	
	2,4-D amine salt	6,1969	Monthly output 750-830 tons
	2,4-D butyl ester	12,1963	
	Efiran-3	12,1964	
	Efiran-79	12,1964	
	"Gammageksan" (probably Lindane)	6,1970	
l'yatti Chemical Plant (53,31N; 49,20E)	Ftalotos (Imidan)	11,1975	Experimental-industrial shop in operation
a Chemical Plant (54,44N, 55,56E)	Karbofos (malathion)	12,1966	
	Aldrin	12,1961	Experimental shop
	Atrazine	1,1965 SECRET	Plant purchased from West German firm
	Butapon	5,1977	
	2,4-D amine salt	9,1973	Plan to produce 43,000 tons in 1973

PLANT	PRODUCT	DOI	REMARKS
	2,4-D butyl ester	9,1973	Plan to produce 6,000 tons in 1973
	2,4-D octyl ester	3,1975	Initial output
	Heptachlor	12,1962	
	Hexachlorobutadiene	12,1961	Experimental shop
	MCPA	CA 1965	Capacity 6,000 tpa. Plant purchased from UK firm .
	Metakson (2M-4kh)	9,1973	Plan to produce 2,000-3,000 tons in 1973
	Trichlorophenate (copper salt)	2,1962	
	Trichlorophenol	4,1975	Under construction
	Simazine	1,1965 SECRET	Plant purchased from West German firm
Innitsa Chemical Combine (49,14N; 28,29E)	DDT	6,1962	
	Polychloropine (Toxaphene)	10,1963	
	Sodium fluorosilicate	11,1961	
Olograd Chemical Plant (Beketovak) (48,35N; 44,25E)	Butifos	9,1964	Capacity put in operation in 1964
		2,1972	Installation to be completed December 1972
	Khlorofos (malathion)	9,1962	
	Merkaptofos	9,1962	POSSIBLE PRODUCTION
	Metafos	9,1962	
	Metilatsetofos	11,1963	
	Methyl chloride	2,1968	
Olograd Chemical Combine Chemical Plant (48,45N; 44,25E) (Beketovka)	Khlorofos (malathion)	1,1969	Planned capacity 20,000 tpa
Urnary Chemical Plant (55,29N; 46,58E)	Benzene hexachloride	12,1960	
	Fosfamid (ROGER)	12,1971	
Avan Electrochemical Combine (38,19N; 60,02E)	Gelecron	12,1975	Production planned

PLANT	PRODUCT	DOI	REMARKS
:evan Kirov Synthetic Rubber Complex (40,11N; 44,30E)	Benzene hexachloride	11,1964	
	2,4-D octyl ester	8.1963	Experimental output. Large unit planned for 1964
	Krotilin herbicide	10,1966	
danov Coke and Chemical Plant (47,06N; 37,33E)	Simazine	1963	